

ABSTRACT OF THE DISCLOSURE

5 A method for construction a WVPN for a CDMA system is disclosed.
The method includes a first step for registering a private network
group and extension number to the SCP and judging whether a call by
a certain calling subscriber corresponds to an extension number or
a MDN (Mobile Directory Number) when a certain calling subscriber
calls a certain receiving subscriber of the same group as the
calling subscriber, and a second step for constructing a mobile
communication network using the MDN in the case that as a result of
10 the first step the call by the calling subscriber corresponds to the
MDN and constructing a WVPN in the case that the call by the calling
subscriber corresponds to the extension number, wherein the method
for constructing a WVPN (Wireless Virtual Private Network) for a
CDMA system includes a mobile telephone serviced by a private
15 network group, a BTS (Base Transceiver System) for transmitting and
receiving a message with the mobile telephone, a BSC (Base Station
Controller) for managing the BTS, a MSC (Mobile Switching Center)
including a MSA (Mobile Signaling Access), a MCC (Mobile Call
Control), and a VLR (Visitor Location Register), a HLR (Home
20 Location Register), and a SCP (Service Control Point) for storing an
extension number with respect to a calling subscriber serviced by
a private network group, for thereby constructing the WVPN using a
certain extension number between subscribers for a WVPN group.